

F-7282

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ryuji NAKATA
Serial No. : Not yet known
Filed : Concurrently herewith
For : SOLID POLYMERIC LUBRICANT
COMPOSITION AND POLYMERIC
LUBRICANT PACKED ROLLING BEARING

Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Preliminary to examination, please amend this application as follows:

IN THE ABSTRACT:

Delete the original Abstract and substitute therefor the Abstract appended
hereto on a separate sheet.

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ABSTRACT OF THE DISCLOSURE

A novel solid polymeric lubricant composition, when packed into a rolling bearing, does not increase the rotational torque of the bearing, and packs and forms in the bearing void-free and prevents seizure from occurring when the rolling bearing is rotated. The kinematic viscosity of lubricating oil which is the base oil to be mixed with a polymer is set to be low, particularly in a range of 10 to 200 mm²/s at 40°C, and an extreme pressure additive and/or an antiwear agent is blended with the lubricating oil. Because the viscosity of the solid polymeric lubricant composition before solidification is relatively low, the composition is thoroughly distributed in the bearing, thereby reducing the rotational torque of the bearing. Furthermore, the extreme pressure additive and/or the antiwear agent help prevent seizure.

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REMARKS

This provides an Abstract not exceeding about 150 words and of a single paragraph as required.

Respectfully submitted,

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By



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